

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A1	REVISED PER ECO-11-005294	13APR11	HMR

Technical drawing of an OSM Panel Feedthrough Jack Receptacle. The drawing shows a cylindrical component with a central contact. Dimensions are given in inches and millimeters: overall length .425 (10.8mm), distance from REF PLANE to center .349 (8.9mm). The component is labeled .250-36 UNS-2A and ACCEPTS .020 (0.5mm) DIA PIN. An OSM JACK is indicated on the left side.

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions <u>MIL-STD-348A</u>	Temperature Rating <u>-65°C To +165°C</u>
Frequency Range (GHz) <u>DC to 18</u>	<u>Fig. 310.2</u>	Vibration <u>MIL-STD-202, Method 204, Condition D, 20G'S</u>
Volt Rating (VRMS MAX) <u>N/A</u>	Recommended Mating Torque <u>N/A</u>	Shock <u>MIL-STD-202, Method 213, Condition I</u>
VSWR <u>1.06 + .01f(GHz)</u>	Mating Characteristics:	Thermal Shock <u>MIL-STD-202, Method 107, Condition B, Except High Temp 115°C</u>
Insertion Loss (dB MAX) <u>.04√f(GHz)</u>	Insertion (MAX Lbs) <u>3.0</u>	Moisture Resistance <u>MIL-STD-202, Method 106</u>
RF Leakage (dB MIN) <u>-(100 - f(GHz))</u>	Withdrawal (MIN Oz) <u>1.0</u>	Corrosion - <u>MIL-STD-202, Method 101, Condition B, 5% salt spray</u>
Corona, 70,000 Ft (VRMS MIN) <u>333</u>	Force to Engage and Disengage (In/Lbs MAX) <u>2.0</u>	
Dielectric Withstanding Voltage (VRMS MIN) <u>1000 @ Sea Level</u>	Center Contact Captivation	
Contact Resistance (Milliohms MAX)	Axial (Lbs) <u>6.0</u>	
Center Contact <u>10.0</u>	Radial (In/Oz) <u>N/A</u>	
Outer Contact <u>2.0</u>	Weight (Grams) <u>T.B.D.</u>	
RF High Potential (VRMS MIN @ 5 MHz) <u>667 @ Sea Level</u>		
LR.(Megohms MIN) <u>5000</u>		

HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER ASTM-A380
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550
COMPONENT	MATERIAL	FINISH

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON

FRAC.	DEC.	ANGLES
± 1/64	±.005	± 1°

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DATE
10/28/80

10-30-80

10-31-80

USE ASS'Y PROCEDURE

NO. AP. N/A

TITLE
OSM PANEL FEEDTHROUGH JACK RECEPTACLE

SIZE B	CODE IDENT NO. 26805	1053261-1	REV A1
SCALE 8:1			SHEET 1 OF 1